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DM Eckert, VN Matsuura-Kiuchi, LH Hong, PA Carr, PS ... - Cell, 1998 - Elsevier  
 ... Synthetic C-peptides are potent inhibitors of HIV-1 infection. These inhibitors, such as C34 or DP178 (see Figure 1 legend), inhibit HIV-1 infection and syncytia formation at nanomolar concentrations in cell culture experiments ([25], [47], [35], [11] and [40]). ...

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**Sensitivity of HIV-1 to entry inhibitors correlates with envelope/coreceptor affinity, receptor density, and fusion kinetics**

JD Reeves, SA Gallo, N Ahmad, JL ... - Proceedings of the ... 2002 - National Acad Sciences  
 ... Inhibitors that block HIV entry are under clinical development, including small molecule antagonists ... In drug resistance may do so directly by altering inhibitor binding sites ... Cell culture supernatants were harvested 24 h posttransfection/infection, and gp120 concentrations were ...

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**A small molecule HIV-1 inhibitor that targets the HIV-1 envelope and inhibits CD4 receptor binding**

PF Lin, W Blair, T Wang, T Spicer, Q ... - Proceedings of the ... 2003 - National Acad Sciences  
 ... Because the HIV entry process involves at least three sequential stages, additional experiments were performed to ... this series of studies, we conclude that BMS-378806 is an attachment inhibitor that interferes ... cells, HIV-1 NL4-3 and HIV-1 LAI were passaged in cell culture in the ...

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**Secreted phospholipases A 2, a new class of HIV inhibitors that block virus entry into host cells**

D Fernand, G Lambeau, E Valentin, JC ... - Journal of Clinical ... 1999 - Am Soc Clin Invest  
 ... Several HIV-1 inhibitors have been described to block HIV entry into cells by antagonizing the ... at different times after virus addition until 8 hours, after which the cell culture medium was ... The effect of mecaprine (0.1 mM), a general PLA 2 inhibitor, and nordihydroguaiaretic acid ...

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**Endocytic entry of HIV-1**

OT Farnesi, BM Petroni - Current Biology, 2000 - Elsevier  
 ... Cell culture supernatants were harvested 48 h later, cleared through a 45 mm filter (Millipore) and stored at ... Similar results were obtained when endocytic inhibitors were present for as little as 1 h, showing ... 2 DC Chan and PS Kim, HIV entry and its inhibition, Cell 93 (1998), pp. ...

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**Viral entry as the primary target for the anti-HIV activity of chicoric acid and its tetra-acetyl esters**

W Playmeyer, N Nearinai, C Pannecourte, V ... - Molecular ... 2000 - ASPET  
 ... In the case of integrase inhibitors, proof of inhibition of the integration step in cell culture is rather difficult to achieve ... The observation of the inhibitory effect of CA on HIV entry does not necessarily compromise the future of L-CA and its analogs as anti-HIV-1 drugs. ...

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**Suppression of chemokine receptor expression by RNA interference allows for inhibition of HIV-1 replication**

MA Martinez, A Gutiérrez, M Armand-Ugon, J Blanco, M ... - Aids, 2002 - Journals.lww.com  
 ... The chemokine receptor antagonists AMD3100 and TAK-779 are known inhibitors of HIV entry and replication [11 ... RNA (siRNA) and infected with increasing concentrations of HIV-1 NL4-3 (a) or Bal. (b). After 48 h, p24 antigen was measured in the cell culture supernatant of ...

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**Anti-human immunodeficiency virus interactions of SCH-C (SCH 351125), a CCR5 antagonist, with other antiretroviral agents in vitro**

CL Tremblay, F Giguël, C Kollmann, Y ... - Antimicrobial agents ... 2002 - Am Soc Microbiol  
 ... Thus, understanding potential antiviral drug interactions in cell culture is important when considering the addition of new ... Diagnosis, prediction, and natural course of HIV-1 protease inhibitor-associated lipodystrophy, hyperlipidaemia, and diabetes: a ... HIV entry and its inhibition. ...

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**N-substituted pyrrole derivatives as novel human immunodeficiency virus type 1 entry inhibitors that interfere with the gp41 six-helix bundle formation and block virus**

S Jiang, H Lu, S Liu, Q Zhao, Y He, AK ... - Antimicrobial agents ... 2004 - Am Soc Microbiol  
 ... Soluble FLSC was purified from cell culture medium by lectin chromatography with Galanthus nivalis snoop ... HIV-infected cells and uninfected cells is the critical step of HIV entry into a ... Chloroquine, a gp120-CD4 binding inhibitor having a potent anti-HIV-1 activity (37), was ...

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**Disulfide exchange in domain 2 of CD4 is required for entry of HIV-1**

LJ Mollnes, PTW Yan, XM Jiang, N Vandegraaff, ... - Nature ... 2002 - nature.com  
 ... These findings indicate that redox changes in CD4 D2 are important for HIV-1 entry and represent a new target for HIV-1 entry inhibitors. ... The reverse transcriptase inhibitor lamivudine (3TC), which inhibits HIV-1 DNA synthesis after viral entry, was used as a positive control. ...

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